



appendices

appendices

Appendix One — Projects by County

Bay Area Region/Multi-County	80
Alameda County	83
Contra Costa County	91
Marin County	97
Napa County	99
San Francisco County	100
San Mateo County	103
Santa Clara County	107
Solano County	118
Sonoma County	121

Appendix Two — MTC Transportation/ Land-Use Platform

	125
--	-----

Appendix Three — Transportation Control Measures (TCMs)

Federal TCMs	131
State TCMs	133

Appendix Four — Supplementary Reports

Environmental Impact Report	137
Transportation Air Quality Analysis	137
Project Notebook	137
Public Outreach and Involvement Program — Summary Reports	137
Equity Analysis Report	138
Project Performance Evaluation Report	138
Government-to-Government Consultation With Native American Tribes	139

Appendix Five — Related Plans

Regional Airport System Plan	140
San Francisco Bay Area Seaport Plan	141
Draft 2005 San Francisco Bay Area Ozone Strategy	141
2002 High-Occupancy-Vehicle (HOV) Lane Master Plan Update	142
Regional Bicycle Master Plan	142
Regional Intelligent Transportation Systems (ITS) Architecture and Strategic Plan	142
Regional Goods Movement Study For the San Francisco Bay Area	142

projects by county

Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Adequate Maintenance					
94540	Carquinez Bridge replacement: construct new suspension bridge west of existing bridges (4 westbound lanes, including a high-occupancy-vehicle (HOV) lane, plus new bicycle/pedestrian pathway) and modify Crockett interchange	\$479.8	\$479.8		Regional Measure 1 Toll Bridge Program; open to traffic; demolition of original bridge remains
94541	New Benicia-Martinez Bridge: construct new bridge span east of existing span (4 mixed-flow lanes and 1 slow-vehicle lane). Includes new toll plaza and upgrades to I-680/I-780 interchange and I-680/Marina Vista Road interchange, and reconstruction of the existing bridge for 4 mixed-flow lanes and bicycle and pedestrian lane.	\$1,057.8	\$1,057.8		Regional Measure 1 & 2 Toll Bridge programs
21012	Golden Gate Bridge seismic retrofit (completes Phases 2 and 3)	\$392.0	\$392.0		Phase 2 is under way
22654	Golden Gate Bridge rehabilitation projects	\$99.4		\$99.4	
98102	South Access to the Golden Gate Bridge: Doyle Drive environmental study	\$16.2	\$16.2		2003 Proposition K sales tax project
94089	Reconstruct South Access to the Golden Gate Bridge: Doyle Drive to Broderick Street	\$446.7	\$446.7		
21013	Rehabilitation of Bay Area state-owned toll bridges	\$238.0	\$238.0		
21014	Richmond-San Rafael Bridge deck replacement	\$53.4	\$53.4		
21015	Seismic retrofit of Bay Area state-owned toll bridges, including San Francisco-Oakland Bay Bridge east span and west span/approach, and Benicia-Martinez, Carquinez and Richmond-San Rafael bridges	\$8,300.0	\$5,085.0	\$3,215.0	
22038	San Francisco-Oakland Bay Bridge toll plaza HOV bypass lanes	\$4.0	\$4.0		
21017	Small transit operators in Alameda, Contra Costa, Napa, Solano and Sonoma counties — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements for rolling stock, equipment, fixed facilities other capital assets; does not include system expansion)	\$2,513.8	\$2,497.4	\$16.4	
22636	BART transbay tube earthquake safety (Phase 1)	\$156.0	\$156.0		Regional Measure 2 Toll Bridge Program
22520	BART earthquake safety program (excludes Phase 1 of transbay tube earthquake safety project)	\$1,307.0	\$1,307.0	\$0.0	

System Efficiency

21001	Freeway Traffic Operations (includes Traffic Operations System/ Transportation Management Center enhancements, Freeway Service Patrol, incident management and technical assistance)	\$466.2	\$109.5	\$356.7	
21005	TransLink®	\$363.8	\$338.1	\$25.7	Initial phase funded in Regional Measure 2 Toll Bridge Program
21006	511/Transit (regional transit information systems) and transportation marketing	\$75.9	\$40.7	\$35.2	Initial phase funded in Regional Measure 2 Toll Bridge Program
21008	511/Traffic	\$142.8	\$121.3	\$21.5	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
21007	Rideshare Program	\$54.0	\$54.0		
21010	Performance monitoring	\$3.5	\$3.5		
21011	Transportation for Livable Communities (TLC)/Housing Incentive Program (HIP) — regional and county programs	\$454.0	\$454.0		
21320	Golden Gate Bridge moveable median barrier	\$23.8	\$23.8		
21627	Caltrain electrification from San Francisco to Gilroy	\$602.0	\$602.0		Resolution 3434 Regional Transit Expansion Program; cost shown is the three-county combined cost
22241	Regional Measure 2 Studies (includes regional rail study, transit connectivity study, Water Transit Authority environmental studies, I-680/Pleasant Hill BART connector study and Caldecott Tunnel transit ridership study)	\$19.0	\$19.0		Regional Measure 2 Toll Bridge Program
22242	Real-Time Transit Grant Program	\$20.0	\$20.0		Regional Measure 2 Toll Bridge Program
22244	City CarShare	\$2.5	\$2.5		Regional Measure 2 Toll Bridge Program
22245	Safe Routes to Transit	\$20.0	\$20.0		Regional Measure 2 Toll Bridge Program
22247	Regional Bicycle and Pedestrian Program	\$200.0	\$200.0		
22421	Clean Air Program	\$255.5	\$255.5		
22423	Lifeline Transportation Program	\$216.0	\$216.0		
22425	Surface Transportation Program (STP) and 10-year support for Transportation Planning and Land Use Solutions (T-PLUS) planning funds for counties	\$95.0	\$95.0		
22674	BART Core Capacity Program — system capacity	\$205.0	\$19.4	\$185.6	
22675	BART Core Capacity Program — station access	\$762.6	\$32.0	\$730.6	Includes funding from Regional Measure 2 Toll Bridge Program
22676	BART Core Capacity Program — station capacity	\$625.1	\$47.4	\$577.7	
22677	BART Core Capacity Program — vehicles	\$848.0		\$848.0	
22090	California Interregional Intermodal Study (CIRIS) — rail freight service between Port of Oakland and Central Valley	TBD		TBD	

Strategic Expansion

94514	I-880/Route 92 interchange improvements	\$133.8	\$133.8		Regional Measure 1 Toll Bridge Program
21066	California High-Speed Rail with terminal in San Francisco	TBD		TBD	
21618	Dumbarton rail corridor (Phase 1)	\$300.0	\$300.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22719	Dumbarton rail corridor (Phase 2)	\$15.6		\$15.6	

(Continues on next page)

projects by county

Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
21619	Caltrain express tracks (Phase 2)	\$482.0	\$390.0	\$92.0	Resolution 3434 Regional Transit Expansion Program. Grade separation and passing track elements in San Mateo County are fully funded. No increase in service level assumed.
22009	Capitol Corridor: Phase 1 intercity rail service (track capacity/frequency improvements from Oakland to San Jose designed to allow 16 daily round trips between Oakland and Sacramento/San Jose)	\$158.0	\$158.0		Resolution 3434 Regional Transit Expansion Program
22003	Capitol Corridor: Phase 2 enhancements	\$96.0	\$96.0		Resolution 3434 Regional Transit Expansion Program
22006	Downtown Ferry Terminal improvements and spare ferry vessels	\$36.0	\$36.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22243	Regional Measure 2 Express Bus North improvements (includes park-and-ride lots and rolling stock)	\$10.5	\$10.5		Regional Measure 2 Toll Bridge Program
22240	Regional Measure 2 Express Bus South improvements (includes park-and-ride lots, HOV access improvements, and rolling stock)	\$9.0	\$9.0		Regional Measure 2 Toll Bridge Program
22005	ACE service expansion to eight trains	\$128.0	\$50.0	\$78.0	Resolution 3434 Regional Transit Expansion Program
22016	Improvements to high-occupancy-vehicle (HOV) network (including HOV lane gap closures and express bus services); convert HOV network to high-occupancy/toll (HOT) network	\$3,000.0		\$3,000.0	
22001	Sonoma Marin Area Rail Transit District (SMART) commuter rail project (environmental, preliminary engineering and right-of-way)	\$62.0	\$62.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22513	Sonoma Marin Area Rail Transit District (SMART) commuter rail project (construction reserve only; full project not included in Financially Constrained Element)	\$277.0	\$63.0	\$214.0	Resolution 3434 Regional Transit Expansion Program; no operating funds identified
21342	Caltrain downtown extension/Transbay Terminal replacement (environmental, preliminary engineering and right-of-way acquisition)	\$274.0	\$274.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22008	Caltrain downtown extension/TransBay Terminal replacement (construction reserve only; full project not included in Financially Constrained Element)	\$1,543.0	\$946.0	\$597.0	Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds and 2003 Proposition K sales tax funds); under construction

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Adequate Maintenance					
94522	Local streets and roads pavement and non-pavement maintenance	\$2,148.1	\$2,148.1		
94001	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$112.4	\$112.4		
22403	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$679.3		\$679.3	
94525	BART (Alameda County share based on population) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion except BART-to-SFO extension)	\$6,935.8	\$6,433.0	\$502.8	
94526	AC Transit (Alameda County share based on population) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$6,837.4	\$6,507.3	\$330.1	
94527	Livermore Amador Valley Transit Authority (LAVTA) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$372.4	\$372.4		
21468	Transit operations — AC Transit, Welfare to Work, Alameda ferries, Altamont Commuter Express (ACE), Union City Transit, Livermore Amador Valley Transit Authority (LAVTA) and countywide express bus	\$510.0	\$510.0		2000 Measure B sales tax project
98153	Reconstruct MacArthur Boulevard onramp to restore access to I-80 east-bound and I-580 westbound	\$9.2	\$9.2		100% fully funded
98208	Soundwalls program	\$10.0	\$10.0		
21151	LAVTA maintenance/operations facility	\$19.8	\$19.8		
21460	Iron Horse Trail bicycle, pedestrian and transit route	\$5.8	\$5.8		2000 Measure B sales tax project
21863	Local bridge maintenance	\$74.8	\$74.8		
22007	Bicycle and pedestrian projects	\$200.0	\$200.0		Funding includes \$100 million from 2000 Measure B sales tax program and \$100 million from other sources (Transportation Development Act, Transportation Fund for Clean Air, etc.)
22766	Fruitvale Avenue Railroad Bridge seismic retrofit	\$7.2	\$7.2		
22783	Fruitvale Avenue Roadway Bridge seismic retrofit	\$22.8	\$22.8		
22768	Estuary Bridges seismic retrofit and repairs	\$2.4	\$2.4		
22773	Transit capital replacement, local road rehabilitation and safety projects	\$19.0	\$19.0		2000 Measure B sales tax project
22661	Adeline Street Bridge reconstruction	\$60.0	\$12.0	\$48.0	

projects by county

Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
94024	Auto/truck separation lane at I-580/I-205 interchange	\$15.7	\$15.7		100% fully funded
98207	I-880/Broadway-Jackson interchange improvements (Phase 1)	\$28.0	\$28.0		
21085	Transportation Operations System (TOS) and ramp metering on I-580 from the San Joaquin county line to the city of Dublin (Phase 1)	\$8.8	\$8.8		
22092	Transportation Operations System (TOS) and ramp metering on I-580 from Dublin to I-880, including I-238 (Phase 2)	\$2.6	\$2.6		
21103	Central Avenue railroad overpass	\$11.7	\$11.7		
21107	I-880/High Street interchange improvements	\$15.9	\$15.9		
21112	Crow Canyon Road safety improvements (Stage 1)	\$5.1	\$5.1		
21114	Washington/Paseo Padre Parkway grade separation	\$72.9	\$72.9		Regional Measure 2 Toll Bridge Program
21125	Route 84 westbound HOV lane extension from Newark Boulevard to I-880	\$6.0	\$6.0		Regional Measure 2 Toll Bridge Program
21126	Route 84 westbound HOV on-ramp from Newark Boulevard	\$6.1	\$6.1		Regional Measure 2 Toll Bridge Program
21138	San Leandro BART Station transit village (Phase 1); includes parking structure, kiss-and-ride and bus circulation improvements	\$29.0	\$29.0		Remaining phases to be funded through private investment
21139	Vasco Road safety improvements	\$19.3	\$19.3		2000 Measure B sales tax project; includes developer fees
21144	I-80/Gilman Avenue interchange improvements (includes roundabouts)	\$1.5	\$1.5		
21145	Corridor Management Program: signal interconnect, transit priority, SMART corridors and other improvements	\$20.0	\$20.0		
21451	East 14th Street/Hesperian Boulevard/150th Street channelization improvements	\$1.8	\$1.8		2000 Measure B sales tax project
21456	I-580 auxiliary lanes between Santa Rita Road/Tassajara Road and Airway Boulevard interchanges	\$11.9	\$11.9		2000 Measure B sales tax project
21464	Paratransit for AC Transit, BART, non-mandated city programs, service gap coordination	\$243.0	\$243.0		2000 Measure B sales tax project
21465	Transit enhancements funded by transit center development funds	\$4.4	\$4.4		2000 Measure B sales tax project
21466	Washington Avenue/Beatrice Street interchange improvements	\$1.4	\$1.4		2000 Measure B sales tax project
21470	I-680/Sunol Boulevard ramp improvements (includes signal improvements and widening under existing structure)	\$0.9	\$0.9		
21480	Route 84/Ardenwood Boulevard westbound offramp intersection improvements	\$0.6	\$0.6		100% locally funded
21486	Paseo Padre Parkway/Peralta Boulevard (Route 84) intersection improvements	\$0.5	\$0.5		100% locally funded

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
21488	Warren Avenue/Warm Springs Boulevard intersection improvements	\$0.5	\$0.5		
21489	I-580/San Ramon Road/Foothill Road interchange improvements	\$3.9	\$3.9		100% locally funded
21493	I-580/I-680 Transportation Operations System (TOS)	\$4.4	\$4.4		
21896	Route 84 vertical and horizontal alignment improvements in Fremont (from 3 miles east of I-680 to 5.1 miles east of I-680)	\$28.4	\$28.4		State Highway Operation and Protection Program (SHOPP) project
22002	Extend HOV lane on I-880 northbound from existing HOV terminus at Bay Bridge approach to Maritime on-ramp	\$5.0	\$5.0		Regional Measure 2 Toll Bridge Program
22056	Ed Roberts Campus at Ashby BART Station	\$11.2	\$11.2		
22059	Improve downtown streets and pedestrian plaza surrounding Berkeley BART Station	\$5.0	\$5.0		
22080	Oakland Citywide Intelligent Transportation Systems (ITS) (Phase 1)	\$13.0	\$13.0		
22082	Reconstruct 7th Street/Union Pacific Railroad grade separation	\$68.8	\$68.8		
22100	Replace I-880/Davis Street overcrossing	\$10.2	\$10.2		
22101	Replace I-880/Marina Boulevard overcrossing	\$8.0	\$8.0		
22110	University Avenue traffic management and streetscape enhancements to support enhanced bus service	\$5.0	\$5.0		
22469	East Dublin/Pleasanton BART Station transit village	\$22.0	\$22.0		
22657	I-205/I-580 Altamont Pass westbound truck lane	\$58.9	\$58.9		
22761	I-880 from Hegenberger Road to I-980 operation improvements (includes freight movement to Port of Oakland)	\$20.0	\$20.0		
22763	Reconstruct southbound I-880 on- and off-ramps in conjunction with I-880/5th Street seismic retrofit	\$20.0	\$20.0		
22769	I-880/29th Avenue interchange safety and access improvements	\$15.0	\$15.0		Regional Measure 2 Toll Bridge Program
22770	Traffic signal on Grand Avenue at Rose Avenue/Arroyo Avenue intersection in Piedmont	\$0.3	\$0.3		
22771	Reconfigure Marin Avenue from San Pablo Avenue to Albany/Berkeley city line from 2 lanes to 1 lane in each direction to accommodate turn lane and bike lanes	\$1.0	\$1.0		
22774	Bicycle and pedestrian improvements in Cherryland/Ashland and South Hayward areas as recommended in community-based transportation plan	\$12.0	\$12.0		
22775	Broadway Avenue and Telegraph Avenue bus, BART, bicycle and taxi integration improvements	\$10.6	\$10.6		2000 Measure B sales tax project

(Continues on next page)

projects by county

Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency (continued from previous page)					
22777	I-580 on- and off-ramp improvements in Castro Valley	\$25.2	\$25.2		2000 Measure B sales tax project
22778	Lewelling Boulevard/East Lewelling Boulevard road modifications from Hesperian Boulevard to East 14th Street to improve channelization and accommodate pedestrian and bicycle facilities	\$20.5	\$20.5		2000 Measure B sales tax project
22779	Route 262/Warren Avenue/I-880 interchange improvements (including Union Pacific Railroad grade separation) (Phase 2)	\$52.0	\$52.0		
22781	Traffic signals in Albany	\$0.5	\$0.5		
22782	Transit-oriented development (including replacement parking) at MacArthur, West Oakland, and/or Coliseum BART Stations	\$136.0	\$25.0	\$111.0	Fruitvale Village Phase 2 included in Vision Element
22784	Narrow First Street between P Street and Maple Street from 4 lanes to 2 lanes to calm traffic and accommodate pedestrians	\$10.0	\$10.0		
22785	Construct I-580 eastbound auxiliary lane from First Street to Vasco Road	\$2.0	\$2.0		
22786	Install ramp metering on all existing ramps along I-580 in Livermore	\$1.5	\$1.5		
22787	Realign Isabel/Vallecitos intersection for through movement on Route 84	\$0.9	\$0.9		
21196	Union City Intermodal Station (Phase 3), includes BART parking structure to support transit village	\$20.0		\$20.0	
22085	Various grade separations at Union Pacific railroad tracks (including Market Street, Martin Luther King Way, High Street, 98th Street)	\$169.0		\$169.0	
22086	I-880 incident management, ramp metering and traveler information	\$20.0		\$20.0	
22087	I-880/Oak Street on-ramp reconstruction	\$30.0		\$30.0	
22088	I-580/I-238 interchange truck bypass	\$15.0		\$15.0	
22089	Various railroad track and signal improvements between Emeryville and Richmond, and Richmond and Pittsburg; new railroad tracks between Port of Oakland and Emeryville; and grade separation structures in Richmond at Marina Bay Parkway	\$100.0		\$100.0	
22508	Alameda County lifeline transit priorities	\$729.0		\$729.0	
22647	Low-income student bus pass program	\$12.0		\$12.0	
22659	Ashby BART Station transit-oriented development in west parking lot, and station capacity improvements	\$40.0		\$40.0	
22671	Construct direct HOV connection between southbound I-880 to westbound Route 84 (Dumbarton Bridge approach)	TBD		TBD	
22673	I-880 modernization and ramp reconfiguration in Oakland as identified in the I-880 Safety & Operations Study	TBD		TBD	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
94012	Union City Intermodal Station (Phase 1)	\$33.9	\$33.9		
94030	Reconstruct I-880/Route 262 interchange and widen I-880 from Route 262 (Mission Boulevard) to the Santa Clara County line from 8 lanes to 10 lanes (8 mixed-flow and 2 HOV lanes)	\$162.6	\$162.6		
94504	Construct 4-lane airport roadway (mostly on Port of Oakland property) from I-880/98th Avenue interchange to Oakland International Airport and then to Bay Farm Island	\$114.7	\$114.7		1986 Measure B sales tax project
94506	Widen Route 84 to 6-lane parkway from I-880 to Paseo Padre and 4-lane parkway from Paseo Padre to Mission Boulevard along the Historic Parkway alignment	\$118.2	\$118.2		1986 Measure B sales tax project
22666	Route 84 high-occupancy/toll (HOT) lanes in Tri-Valley	\$215.0		\$215.0	
98139	ACE station/track improvements in Alameda County (including parking improvements at Vasco Road and downtown Livermore stations)	\$20.1	\$20.1		
21100	I-580/Vasco Road interchange improvements	\$40.0	\$40.0		
21101	Extend Tinker Avenue from Webster Street to 5th Avenue (includes Transit Center at College of Alameda)	\$14.8	\$14.8		
21105	I-580/Isabel interchange improvements (Phases 1 and 2)	\$100.0	\$100.0		2000 Measure B sales tax project
21123	Union City Intermodal Station infrastructure improvements (Phase 2)	\$50.0	\$50.0		
21131	BART-Oakland International Airport connector	\$254.3	\$254.3		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
21132	BART extension to Warm Springs	\$678.0	\$678.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
21133	New West Dublin/Pleasanton BART Station	\$53.0	\$53.0		
21134	Rapid Bus Transit (RBT) in the San Pablo Corridor	\$2.0	\$2.0		
21149	Upgrade express bus services in Dumbarton corridor	\$4.0	\$4.0		
21157	I-80/Ashby Avenue/Shellmound Street interchange modifications	\$2.8	\$2.8		
21159	AC Transit facilities expansion in northern Alameda County	\$2.0	\$2.0		
21185	Extend Eden Road from Doolittle Drive to city of San Leandro water pollution control plant	\$2.0	\$2.0		
21417	Dumbarton Express park-and-ride: 90 spaces on Decoto Road near I-880 by the Dumbarton Bridge (includes right-of-way acquisition)	\$1.5	\$1.5		

(Continues on next page)

projects by county

Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
21455	Widen I-238 between I-580 and I-880 from 4 lanes to 6 lanes, includes auxiliary lanes on I-880 south of I-238	\$108.0	\$108.0		2000 Measure B sales tax project
21467	Extend Westgate Parkway along eastern edge of Westgate Shopping Center between Williams Street and Davis Street	\$10.6	\$10.6		2000 Measure B sales tax project
21472	I-680/Bernal Avenue interchange improvements	\$17.5	\$17.5		100% locally funded
21473	Construct a 4-lane major arterial connecting Dublin Boulevard and North Canyons Parkway	\$10.0	\$10.0		
21475	I-580/First Street interchange improvements	\$30.0	\$30.0		
21477	I-580/Greenville Road interchange improvements	\$35.0	\$35.0		
21482	Extend Fremont Boulevard to connect to I-880/Dixon Landing Road	\$4.5	\$4.5		100% locally funded
21483	Widen Stevenson Boulevard from I-880 to Blacow Road from 4 lanes to 6 lanes	\$1.0	\$1.0		100% locally funded
21484	Widen Kato Road from Warren Avenue to Milmont Drive	\$3.0	\$3.0		100% locally funded
21487	Widen Mowry Avenue from Mission Boulevard to Peralta Boulevard	\$0.5	\$0.5		100% locally funded
21492	Extend Scarlett Drive from Dublin Boulevard to Dougherty Road	\$5.8	\$5.8		2000 Measure B sales tax project
21886	Widen unimproved segment of Industrial Parkway between Whipple Road and improved segment of Industrial Parkway from 2 lanes to 4 lanes	\$0.5	\$0.5		TEA-21 federal earmark project
21992	AC Transit bus corridor improvements	\$20.0	\$20.0		
22013	I-580 corridor improvements (widen I-580 in both directions for HOV and auxiliary lanes from Tassajara Road to Greenville Road, construct HOV direct connector from westbound I-580 to southbound I-680, construct eastbound truck climbing lane from Flynn Road to Greenville Road [Altamont Summit], and acquire express buses)	\$445.0	\$445.0		Resolution 3434 Regional Transit Expansion Program Project (includes Regional Measure 2 Toll Bridge Program funds)
22664	I-580 high-occupancy/toll (HOT) lanes from Greenville Road west to I-680	\$50.0		\$50.0	
22021	AC Transit transfer station and park-and-ride facility in central Alameda County	\$3.5	\$3.5		
22042	Widen I-680 for northbound HOV lane from Route 237 to Stoneridge Drive (includes ramp metering and auxiliary lanes)	\$165.0	\$165.0		Project is jointly funded by Alameda and Santa Clara counties
22062	Construct infrastructure for future Irvington BART Station	\$2.4	\$2.4		
22063	Route 238 corridor improvements between Foothill Boulevard/Mattox Road to Mission Boulevard/Industrial Parkway (includes adding a lane throughout the corridor and grade separations at the Foothill/Mission/Jackson interchange)	\$150.0	\$150.0		This project replaces the Route 238 Bypass project
22084	Oakland International Airport North Field access road	\$10.4	\$10.4		

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
22455	AC Transit Bus Rapid Transit (BRT) and Enhanced Bus, Phase 1: Telegraph Avenue/International Boulevard corridor	\$167.0	\$167.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
21153	AC Transit Bus Rapid (BRT) and Enhanced Bus, Phase 2: Telegraph Avenue/International Boulevard corridor	\$164.4		\$164.4	
22509	Alameda/Oakland to San Francisco ferry service and Harbor Bay to San Francisco ferry service	\$12.0	\$12.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22511	Berkeley/Albany to San Francisco ferry service	\$22.0	\$22.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22760	Outer Harbor intermodal terminal (formerly known as Joint Intermodal Terminal [JIT] expansion)	\$87.5	\$87.5		
22764	Construct auxiliary lane on I-880 between Hegenberger Road and 66th Avenue and shift merge point of the westbound Hegenberger Road to I-880 on-ramp	\$4.6	\$4.6		
22776	Widen Route 84 from 2 lanes to 4 lanes from north of Pigeon Pass to Vineyard Avenue and 2 lanes to 4 or 6 lanes from Vineyard Avenue to Jack London Boulevard	\$120.8	\$120.8		
22796	Construct 4-lane arterial connection between future eastern end of Dublin Boulevard in Dublin to North Canyons Parkway in Livermore	\$10.0	\$10.0		100% locally funded
22990	Widen Route 262 from I-880 to Warm Springs Boulevard (including reconstructing Route 262/I-880 and Route 262/Kato Road interchanges) and reconstruct Union Pacific Railroad underpasses	\$38.3	\$38.3		
22991	Widen I-680 for southbound high-occupancy-vehicle (HOV)/high-occupancy/toll (HOT) lane from Route 237 to Route 84 (includes ramp metering and auxiliary lanes)	\$223.0	\$223.0		2000 Traffic Congestion Relief Program (TCRP) and 2000 Measure B sales tax project
22064	Convert southbound high-occupancy-vehicle (HOV) lane on I-680 between Route 84 and Route 237 into high-occupancy/toll (HOT) lane	\$20.0	\$20.0		
21093	Route 92/Clawiter Road/Whitesell Street interchange improvements	\$39.0	\$26.6	\$12.4	
21154	AC Transit bus acquisition for transbay, express, subscription or local services	\$38.0		\$38.0	
22780	AC Transit major corridor enhancements, Phase 1 — Bus Rapid elements: includes MacArthur Boulevard/West Grand Avenue; College Avenue/University Avenue; Shattuck Avenue/The Alameda; Foothill Boulevard; Sacramento Street/Market Street; Mission Boulevard/Outer East 14th Street; Hesperian Boulevard	\$97.0	\$97.0		Resolution 3434 Regional Transit Expansion Program
21160	AC Transit major corridor enhancements, Phase 2 — beyond Bus Rapid improvements: MacArthur Boulevard/West Grand Avenue; College Avenue/University Avenue; Shattuck Avenue/The Alameda; Foothill Boulevard; Sacramento Street/Market Street; Mission Boulevard/Outer East 14th Street; Hesperian Boulevard	\$216.0		\$216.0	

(Continues on next page)

projects by county

Alameda County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
22106	Extend Whitesell Street as a 4-lane arterial from Enterprise to Depot Road	\$11.0		\$11.0	
22432	Construct Irvington BART Station	\$76.0		\$76.0	
22660	Widen I-880 by adding one lane in each direction between Whipple and Jackson	TBD		TBD	
22667	Tri-Valley rail extension from Dublin/Pleasanton BART Station to Greenville Road in the I-580 median	\$900.0		\$900.0	
22668	Add northbound and southbound I-680 HOV lanes between Route 84 in Alameda County to Alcosta Boulevard in Contra Costa County	\$180.0		\$180.0	
22670	Widen I-880 for HOV lanes northbound from Hacienda overcrossing to 98th Avenue and southbound from 98th Avenue to Marina Boulevard	TBD		TBD	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Contra Costa County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Adequate Maintenance					
94553	Local streets and roads pavement and non-pavement maintenance	\$1,492.5	\$1,492.5		
94036	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$92.0	\$92.0		
22404	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$604.9		\$604.9	
94050	Upgrade Route 4 to full freeway from I-80 to Cummings Skyway (Phase 2)	\$50.0	\$50.0		
94556	BART (Contra Costa County share) — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion)	\$4,612.0	\$4,277.6	\$334.4	
94557	AC Transit (Contra Costa County) — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$1,021.7	\$972.4	\$49.3	
94558	Central Contra Costa Transit Authority (CCCTA) — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$801.4	\$801.4		
21864	Local bridge maintenance	\$71.0	\$71.0		

System Efficiency

94046	Non-capacity-increasing improvements to interchanges and parallel arterials to Route 4	\$9.1	\$9.1		
94048	Non-capacity-increasing improvements to interchanges and parallel arterials to I-80	\$12.3	\$12.3		
98126	Non-capacity-increasing improvements to interchanges and parallel arterials to I-680 and Route 24	\$9.1	\$9.1		
94051	I-680 auxiliary lane from Diablo Road to Sycamore Valley Road (Segment 1) in Danville and from Crow Canyon Road to Bollinger Canyon Road (Segment 3) in San Ramon	\$22.5	\$22.5		
94532	Gateway Lamorinda Traffic Program	\$14.8	\$14.8		1988 Measure C sales tax project
94538	Route 4 transportation management system	\$0.7	\$0.7		
98127	I-680/Alcosta Boulevard interchange improvements	\$14.8	\$14.8		Includes developer fees
98196	Route 24 eastbound auxiliary lanes from Gateway Boulevard to Brookwood Road/Moraga Way	\$6.8	\$6.8		
98198	Vasco Road safety and operational improvements in Contra Costa and Alameda counties	\$18.0	\$18.0		

(Continues on next page)

projects by county

Contra Costa County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency (continued from previous page)					
21202	Regional and local pedestrian and bicycle improvements, including overcrossing locations to be determined	\$39.3	\$39.3		
22353	I-680 southbound HOV gap closure between North Main Street and Livorna	\$14.0	\$14.0		Regional Measure 2 Toll Bridge Program
22602	Construct I-680 auxiliary lanes in both directions from Sycamore Valley Road to Crow Canyon Road	\$36.5	\$36.5		
22637	BART crossover at the Pleasant Hill BART Station	\$25.0	\$25.0		Regional Measure 2 Toll Bridge Program
21036	Selected additional I-680 auxiliary lanes south of I-680/Route 24 interchange	\$20.0		\$20.0	
22004	AC Transit Regional Lifeline Transit priorities	\$50.0		\$50.0	
22336	Widen shoulders of Byron Highway and construct grade separation over Union Pacific railroad tracks	\$20.0		\$20.0	
22351	I-680 northbound HOV gap closure between North Main Street and Route 242	\$43.0	\$43.0		
22352	I-680/Norris Canyon Road direct HOV ramps in San Ramon	\$44.0	\$25.0	\$19.0	
22354	I-680/Marina Vista interchange improvements	\$8.0	\$8.0		
22360	I-80/San Pablo Dam Road interchange reconstruction	\$25.0	\$25.0		
22375	Route 24 and I-680 Traffic Operations System (TOS) and fiber optic cable project	\$5.0		\$5.0	
22376	Route 4 ramp meter, Traffic Operations System (TOS) and fiber optic cable project	\$5.0		\$5.0	
22378	I-80 and I-580 Traffic Operations System (TOS) and fiber optic cable project	\$5.0		\$5.0	
22382	Richmond Parkway/San Pablo Avenue grade separated interchange	\$20.0	\$16.0	\$4.0	
22383	Upgrade Richmond Parkway geometry to principal arterial standards	\$50.0		\$50.0	
22390	Reconstruct Route 4/Willow Pass Road ramps in Concord	\$15.0		\$15.0	
22611	Low-income student bus pass program	\$14.5	\$14.5		
22612	I-680/Sycamore Valley Road direct HOV ramps in Danville	\$66.0		\$66.0	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Contra Costa County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
94045	New express buses for I-80 HOV service (capital costs)	\$16.9	\$16.9		
94047	Extend the northern limits of the I-80 westbound HOV lane from north of Cummings Skyway to Route 4	\$30.0	\$30.0		
94052	I-680 HOV lanes from Marina Vista interchange to North Main Street (southbound) and from Route 242 northbound to the Marina Vista interchange	\$54.5	\$54.5		
94054	Martinez Intermodal Terminal Facility (Phases 1 and 2); includes construction of a new passenger rail station, bus facilities and parking	\$31.3	\$31.3		
96022	Route 4 Bypass, Segment 1: construct a 6-lane facility from Route 4 to Laurel Road and a 4-lane facility from Laurel Road interchange to Lone Tree Way, and add interchanges at Laurel Road and Lone Tree Way	\$85.0	\$85.0		Funded by East Contra Costa Regional Fee and Financing Authority (ECCRFA)
98104	Widen Route 4 from Railroad Avenue to Loveridge: interchange improvements and highway widening to 6 mixed flow lanes and 2 HOV lanes	\$100.0	\$100.0		
98115	Widen Ygnacio Valley/Kirker Pass Roads from 4 lanes to 6 lanes from Michigan Boulevard to Cowell Road	\$6.0	\$6.0		100% locally funded
98130	Widen Alhambra Avenue from 2 lanes to 4 lanes from Route 4 to McAlvey Drive	\$14.6	\$14.6		
98132	Widen and extend Bollinger Canyon Road to 6 lanes from Alcosta Boulevard to Dougherty Road	\$4.4	\$4.4		Includes developer fees
98133	Widen Pacheco Boulevard from 2 lanes to 4 lanes from Blum Road to Arthur Road	\$15.0	\$15.0		
98134	Widen Dougherty Road to 6 lanes from Red Willow to Contra Costa County line	\$45.0	\$45.0		
98135	Construct Windermere Parkway: 4 lanes from Bollinger Canyon Road extension to East Branch	\$14.0	\$14.0		100% locally funded through developer fees
98136	Construct East Branch as 4 lanes from Bollinger Canyon Road extension to Camino Tassajara	\$14.0	\$14.0		100% locally funded through developer fees
98142	Widen Route 4 from 4 lanes to 8 lanes with HOV lanes from Loveridge Road to Somersville Road	\$70.0	\$70.0		
98157	Enhancements to AC Transit bus service for the San Pablo corridor in Contra Costa County	\$8.5	\$8.5		
98193	Extend Panoramic Drive from North Concord BART Station to Willow Pass Road	\$10.0	\$10.0		100% locally funded
98194	Extend Commerce Avenue between Pine Creek and Waterworld Parkway to connect Willow Pass Road with Route 242/Concord Avenue interchange	\$6.2	\$6.2		

(Continues on next page)

projects by county

Contra Costa County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
98197	Richmond intermodal transfer station (station building)	\$4.1	\$4.1		
98211	I-80 eastbound HOV lane extension from Route 4 to the Crockett interchange just south of the Carquinez Bridge	\$50.0	\$50.0		Regional Measure 2 Toll Bridge Program
98221	Route 4 Bypass, Segment 2, Phase 2: widen to 4 lanes from Lone Tree Way to Balfour Road	\$12.0	\$12.0		Funded in part through East Contra Costa Regional Fee and Financing Authority (ECCRFA)
98222	Route 4 Bypass, Segment 1: Route 160 freeway-to-freeway connectors to and from the north	\$23.0	\$23.0		Funded in part through East Contra Costa Regional Fee and Financing Authority (ECCRFA)
98999	Widen Route 4 from 4 lanes to 8 lanes from Somersville Road to Route 160	\$232.0	\$232.0		
21203	Express bus capital costs for commuter bus service from Contra Costa Express Bus Study	\$6.8	\$6.8		
21204	Ancillary park-and-ride, transit access, express bus service enhancements	\$6.8	\$6.8		
21205	I-680/Route 4 interchange freeway-to-freeway direct connectors: eastbound Route 4 to southbound I-680, and northbound I-680 to westbound Route 4 (Phases 1 and 2)	\$112.0	\$112.0		
21206	Caldecott Tunnel fourth bore	\$218.0	\$218.0		Includes \$8 million from Alameda County and \$20 million from Contra Costa County; cost assumes 2-lane bore on the north side
21207	Martinez Intermodal Terminal Facility (Phase 3 initial segment): 200 interim parking spaces (includes site acquisition, demolition and construction)	\$6.8	\$6.8		
21208	Richmond Parkway Transit Center (includes signal reconfiguration/timing, new 700–800-space parking facility and security improvements at Hilltop park-and-ride lot)	\$25.0	\$25.0		Regional Measure 2 Toll Bridge Program
21209	Hercules Transit Center relocation and expansion	\$6.8	\$6.8		
21210	Capitol Corridor train station in Hercules	\$20.0	\$20.0		2000 Traffic Congestion Relief Program (TCRP) project
21212	Construct auxiliary lane along eastbound Route 4 and widen Hillcrest Avenue eastbound off-ramp from 1 lane to 2 lanes	\$2.5	\$2.5		
21213	Pittsburg/Bay Point BART Station parking & lighting improvements (400 new spaces)	\$4.0	\$4.0		
21214	Widen Wilbur Avenue over Burlington Northern Santa Fe Railroad from 2 lanes to 4 lanes	\$8.5	\$8.5		
21216	Extend Laurel Road from Route 4 Bypass to Empire Avenue	\$20.0	\$20.0		Funded in part through East Contra Costa Regional Fee and Financing Authority (ECCRFA)
22600	Widen Somersville Road Bridge in Antioch to 4 lanes	\$1.0	\$1.0		

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Contra Costa County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
22601	Route 4 Bypass, Segment 3: construct a 2-lane facility from Balfour Road to Walnut Boulevard, and upgrade Marsh Creek Road	\$47.0	\$47.0		
22603	Richmond intermodal transfer station (680-space parking garage)	\$13.0	\$13.0		
21218	Additional bus transit operations support	\$130.0	\$130.0		
21223	I-680 transit corridor improvements (including express bus service enhancements and improved connections to BART)	\$100.0		\$100.0	
21211	BART/East Contra Costa rail extension	\$390.0	\$390.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program funds
22122	Ferry service in western Contra Costa County (Richmond and Hercules or Rodeo), includes Phases 1 and 2. (capital reserve only; full project not included in the financially constrained element)	\$57.0	\$46.0	\$11.0	Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program funds; no operating funds identified
22342	Express bus service expansion along I-680 corridor; includes Phases 1 and 2	\$50.0	\$20.0	\$30.0	
22346	Express bus service expansion along I-580 corridor	\$10.0		\$10.0	
22350	I-680/Route 4 interchange improvements (Phases 3 through 5) and HOV flyover ramps	\$182.0	\$182.0		
22355	I-80/Central Avenue interchange modifications	\$23.0	\$5.0	\$18.0	
22358	I-80/Route 4 interchange improvements	\$100.0		\$100.0	
22365	Martinez Ferry landside improvements	\$10.0	\$2.5	\$7.5	
22371	Park-and-ride lots for the support of Regional Express Bus service	\$20.0		\$20.0	
22388	Construct Route 242/Clayton Road northbound on-ramp	\$16.0	\$16.0		
22389	Construct Route 242/Clayton Road southbound off-ramp	\$15.0	\$15.0		
22392	Route 4/Range Road interchange construction	\$10.0		\$10.0	
22400	Construct Route 239 from Brentwood to Tracy Expressway	\$100.0		\$100.0	
22402	School bus programs in San Ramon and Lamorinda	\$112.0	\$112.0		
22510	Antioch/Pittsburg to Martinez to San Francisco ferry service (capital reserve only; full project not included in the financially constrained element)	\$33.0	\$33.0		Resolution 3434 Regional Transit Expansion Program; no operating funds identified
22516	Enhance Capitol Corridor regional rail service (West Contra Costa and Solano counties)	\$70.0		\$70.0	
22604	Construct safety and operational improvements (including potential realignment) on Vasco Road from Brentwood to Alameda County line	\$50.0		\$50.0	

(Continues on next page)

projects by county

Contra Costa County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
22605	Route 4 Bypass, Segments 2 & 3: widen and upgrade to full freeway (widen segment 2 to 6 lanes from Lone Tree to Balfour, and widen segment 3 to 4 lanes from Balfour to Walnut)	\$130.0		\$130.0	
22607	Major streets widening, extensions and interchange improvements (East County); includes Phases 1 and 2	\$50.0	\$18.0	\$32.0	
22609	Major streets widening, extensions and interchange improvements (Central County); includes Phases 1 and 2	\$200.0	\$48.0	\$152.0	
22610	Major streets widening, extensions and interchange improvements (West County)	\$50.0		\$50.0	
22613	Major streets widening, extensions and interchange improvements (Southwest County); includes Phases 1 and 2	\$50.0	\$14.4	\$35.6	
22614	Martinez Intermodal Station (Phase 3): construction of an additional 425 spaces and auto/pedestrian bridges	\$6.8	\$6.8		
22981	Widen Route 4 as continuous 4-lane arterial from Marsh Creek Road to San Joaquin County line	\$100.0		\$100.0	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Marin County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					

Adequate Maintenance

98511	Local streets and roads pavement and non-pavement maintenance	\$392.5	\$392.5		
94055	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$49.5	\$49.5		
22405	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$206.3	\$111.9	\$94.4	
94572	Golden Gate Transit (Marin County share) — Transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include expansion)	\$1,903.3	\$1,761.3	\$142.0	
98525	Seismic retrofit and upgrade (rehabilitation) of local bridges and overpasses shortfall	\$16.7	\$4.0	\$12.7	
21865	Local bridge maintenance	\$23.5	\$23.5		

System Efficiency

21302	Bicycle and pedestrian projects	\$86.5	\$39.6	\$46.9	Includes central Marin ferry access improvements project funded by Regional Measure 2 Toll Bridge Program
21888	Construct flyover from Sanitary Landfill Road east of U.S. 101 to southbound U.S. 101	\$6.9	\$6.9		100% privately funded project
22146	Construct Class 1 bicycle path between Larkspur and Central San Rafael; includes rehabilitation of Cal Park Hill Tunnel	\$12.5	\$12.5		Regional Measure 2 Toll Bridge Program
22159	Marin County U.S. 101 northbound ramp meter, Traffic Operation System (TOS), fiber optic cable project	\$8.1	\$1.5	\$6.6	
22160	Marin County U.S. 101 southbound and I-580 ramp meter, Traffic Operation System (TOS), fiber optic cable project	\$10.1	\$1.8	\$8.3	
21315	U.S. 101/Miller Creek Road interchange improvements in Marinwood: signalize ramp intersections	\$1.0		\$1.0	
22430	Kerner Boulevard/Francisco Boulevard East/Andersen Drive underpass connector	\$5.0		\$5.0	
22436	U.S. 101 southbound auxiliary lane from Lincoln to Mission	\$4.0		\$4.0	
22437	U.S. 101 northbound auxiliary lane at Nave Drive	\$20.3		\$20.3	

projects by county

Marin County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
94563	Widen U.S. 101 for HOV lanes (one in each direction) from Lucky Drive in Corte Madera to North San Pedro Road in San Rafael	\$127.1	\$127.1		2002 Traffic Congestion Relief Program (TCRP) project. Initial phase fully funded at \$152.1 million.
98154	Widen U.S. 101 from Route 37 to the Sonoma County line from 4 lanes to 6 lanes (including 2 HOV lanes) and convert some highway sections to freeway standards	\$200.0	\$200.0		Joint project between Marin and Sonoma counties. See companion Sonoma County project #98147 on page 122.
98178	U.S. 101/Sir Francis Drake Boulevard improvements	\$0.5	\$0.5		Regional Measure 2 Toll Bridge Program
98179	U.S. 101/Tiburon Boulevard interchange improvements	\$18.5	\$10.5	\$7.9	Includes developer fees
21303	Local Marin bus service enhancements (capital only)	\$58.6	\$26.7	\$31.9	
21306	U.S. 101/Lucas Valley Road interchange improvements	\$19.3	\$4.7	\$14.7	
21308	Expand Manzanita park-and-ride lot	\$22.4	\$10.1	\$12.3	
21325	U.S. 101/Greenbrae interchange improvements	\$47.5	\$47.5		Regional Measure 2 Toll Bridge Program
22157	Park-and-ride lots for support of Regional Express Bus service	\$15.3	\$5.0	\$10.3	
21030	I-580/U.S. 101 interchange improvements and new freeway-to-freeway connectors from westbound I-580 to northbound and southbound U.S. 101	\$101.7		\$101.7	
21317	Widen Route 1 from U.S. 101 to Flamingo Road	\$4.3		\$4.3	
22419	Widen U.S. 101 for HOV lanes (one in each direction) from Lucky Drive in Corte Madera to North San Pedro Road in San Rafael	\$24.9	\$24.9		
22429	U.S. 101/Manuel Freitas Parkway interchange improvements	\$5.0		\$5.0	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Napa County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					

Adequate Maintenance

94576	Local streets and roads pavement and non-pavement maintenance	\$218.1	\$218.1		
94064	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$65.8	\$65.8		
22406	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$399.1		\$399.1	
94070	Transit service center on Soscol Avenue at Jackson Street and operational improvements to existing transit programs	\$2.0	\$2.0		
21871	Local bridge maintenance	\$24.6	\$24.6		
22745	Countywide local roads and streets maintenance	\$150.8		\$150.8	
22750	Transportation project environmental mitigation	\$11.3		\$11.3	

System Efficiency

22417	Safe Routes to School bicycle and pedestrian program	\$8.3		\$8.3	
22740	Route 29 safety and operational improvements	\$38.0		\$38.0	
22742	Senior and disabled free fares	\$6.8		\$6.8	
22744	Countywide traffic signal coordination	\$5.0		\$5.0	
22747	Route 12/Route 29/Route 121 intersection improvements	\$18.5		\$18.5	

Strategic Expansion

94071	Replace Napa River (Maxwell) Bridge and widen from 2 lanes to 4 lanes on Route 121 over the Napa River in the city of Napa	\$29.0	\$29.0		
94076	Trancas intermodal facility adjacent to interchange at Route 29 and Redwood Road/Trancas Street	\$0.8	\$0.8		
94575	Construct grade-separated interchange at Route 29 and Redwood Road/Trancas Street	\$53.0	\$53.0		
94073	Construct new southbound Route 221 to southbound Route 29 flyover (including auxiliary lane to Route 12/Route 29)	\$20.0	\$20.0		
94074	Widen Route 12 (Jamieson Canyon) from I-80 in Solano County to Route 29 in Napa County from 2 lanes to 4 lanes (Napa County portion of project)	\$52.0	\$52.0		See companion Solano County project #94152 on page 119
94075	Route 12/Route 29/Airport interchange construction	\$39.9	\$39.9		
22743	Express bus/pre-rail program	\$100.0		\$100.0	
22746	Widen Route 29/First Street overcrossing to 4 lanes	\$20.0		\$20.0	
22749	Safety and congestion relief program on arterials and county roads	\$43.6		\$43.6	

projects by county

San Francisco County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Adequate Maintenance					
94627	Local streets and roads pavement and non-pavement maintenance	\$997.5	\$997.5		
94078	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$104.4	\$104.4		
21548	Non-Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation	\$1,361.7	\$8.0	\$1,353.7	
94625	Upgrade Bernal Heights streets to accommodate emergency vehicle access	\$2.4	\$2.4		2003 Proposition K sales tax project
94635	BART (San Francisco County share) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion except BART-to-SFO extension)	\$3,669.5	\$3,403.5	\$266.0	
94636	San Francisco Municipal Railway (Muni) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$16,410.3	\$15,582.2	\$828.1	
22481	Caltrain (San Francisco County share) — transit operating and capital improvement program (including replacement, rehabilitation and system enhancements for rolling stock, equipment, fixed facilities and other capital assets). Station Improvements (e.g., platforms) are included.	\$1,256.2	\$1,076.7	\$179.5	
22482	Golden Gate Transit (San Francisco County share) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include expansion)	\$175.5	\$162.6	\$12.9	
94637	Paratransit	\$291.0	\$291.0		2003 Proposition K sales tax project
21505	Local bridge seismic work	\$8.0	\$4.0	\$4.0	
21526	Transit rehabilitation and replacement	\$73.0	\$8.0	\$65.0	
21533	Street tree program	\$95.0	\$95.0		2003 Proposition K sales tax project
21866	Local bridge maintenance	\$61.7	\$61.7		
22248	Wheelchair curb ramps program	\$68.0	\$58.0	\$10.0	2003 Proposition K sales tax project
22249	New and upgraded streets program	\$24.1	\$24.1		2003 Proposition K sales tax project
22426	Islais Creek maintenance facility	\$74.0	\$74.0		2003 Proposition K sales tax project
94090	Bicycle and pedestrian program	\$129.1	\$129.1		2003 Proposition K sales tax project

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

San Francisco County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					

System Efficiency

94624	Traffic signals and signs program	\$203.8	\$148.8	\$55.0	2003 Proposition K sales tax project
94639	Travel Demand Management (TDM) Program	\$13.2	\$13.2		2003 Proposition K sales tax project
98593	Integrated Transportation Management System (SFgo) Initial Phase	\$5.9	\$5.9		2003 Proposition K sales tax project
98630	BART Advanced Automatic Train Control System (county share)	\$53.0	\$53.0		
21501	Bicycle projects and programs	\$4.0	\$2.0	\$2.0	
21502	Pedestrian projects and programs	\$4.0	\$2.0	\$2.0	
21503	Traffic calming program	\$84.0	\$74.0	\$10.0	2003 Proposition K sales tax project
21506	Advanced Technology and Information Systems (SFgo)	\$58.0	\$8.0	\$50.0	
21507	Transit enhancement program; includes transit system connectivity and accessibility, service gap closures and expanded service	\$95.0	\$50.0	\$45.0	2003 Proposition K sales tax project
21529	New and upgraded local streets and roads	\$38.0	\$8.0	\$30.0	
21535	Travel Demand Management (TDM) and planning for transit, bicycle and pedestrians (includes funding match for Transportation for Livable Communities/Housing Incentive Programs)	\$4.0	\$2.0	\$2.0	
21544	Balboa Park BART Station expansion	\$34.5	\$9.7	\$24.8	2000 Traffic Congestion Relief Program (TCRP) project
22420	Bus Rapid Transit (BRT)/Transit Preferential Streets (TPS) Program (includes Geary Street Corridor BRT project)	\$240.0	\$130.0	\$110.0	2003 Proposition K sales tax project
22514	Integrated Traffic Management System (SFgo)	\$19.6	\$19.6		2003 Proposition K sales tax project

Strategic Expansion

94632	Third Street Light-Rail Project: light-rail transit extension to Bayview Hunters Point (Phase 1, initial operating segment)	\$583.9	\$583.9		2003 Proposition K sales tax and Regional Measure 2 Toll Bridge Program project; under construction
21510	Third Street Light-Rail Project: light-rail transit extension to Chinatown (Phase 2, Central Subway)	\$694.0	\$694.0		2003 Proposition K sales tax; Resolution 3434 Regional Transit Expansion Program. Phase 1 funding will count as local match toward Phase 2 for purposes of New Starts funding. The preliminary revised cost in the FY 2006 FTA Annual New Starts Report is \$865 million in 2004 dollars. Confirmation of an updated cost is pending selection of a new locally preferred alternative in spring 2005. A formal amendment to the Transportation 2030 Plan to reflect the new locally preferred alternative and any adjustments to the funding plan will be considered after that date.

(Continues on next page)

projects by county

San Francisco County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
21549	Construct access route linking Hunters Point Shipyard Redevelopment Area to U.S. 101 (involves environmental study, design and right-of-way acquisition)	\$12.7	\$12.7		TEA 21 federal earmark project
22255	Construct Illinois Street Intermodal Bridge across Islais Creek to connect to Port of San Francisco's Pier 80 cargo terminal	\$15.3	\$15.3		
22412	Additional light-rail vehicles (LRVs) to expand Muni rail service	\$5.8	\$5.8		2003 Proposition K sales tax project
22415	Expand historic streetcar service	\$6.4	\$6.4		Regional Measure 2 Toll Bridge Program and 2003 Proposition K sales tax project
22512	Treasure Island to San Francisco ferry service (capital reserve only; full project not included in Financially Constrained Element)	\$21.0	\$21.0		Resolution 3434 Regional Transit Expansion Program; no operating funds identified

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					

Adequate Maintenance

94662	Local streets and roads pavement and non-pavement maintenance	\$1,354.6	\$1,354.6		
94093	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$29.0	\$29.0		
22408	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$178.0		\$178.0	
94656	Devil's Slide bypass	\$280.0	\$280.0		
94664	Caltrain (San Mateo County share) — transit operating and capital improvement program (including replacement, rehabilitation and system enhancements for rolling stock, equipment, fixed facilities and other capital assets). Station improvements (e.g., platforms) are included.	\$1,254.7	\$1,076.7	\$178.0	
94666	SamTrans — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$3,081.6	\$3,021.6	\$60.0	
21876	BART (San Mateo County share) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion except BART-to-SFO extension)	\$1,384.1	\$1,283.8	\$100.3	
21630	Continuation of SamTrans express service	\$3.0	\$3.0		Regional Measure 2 Toll Bridge Program
21867	Local bridge maintenance	\$31.3	\$31.3		
22261	Route 1/San Pedro Creek Bridge replacement project (initial phase)	\$6.2	\$6.2		
94667	SamTrans Americans With Disabilities Act (ADA) services	\$60.0	\$30.0	\$30.0	2004 Measure A sales tax project

System Efficiency

94100	U.S. 101 auxiliary lanes from Marsh Road to Route 92	\$59.9	\$59.9		1988 Measure A sales tax project; under construction
94644	Route 92 westbound slow vehicle lane between Route 35 and I-280	\$58.0	\$12.5	\$45.5	
98176	U.S. 101 auxiliary lanes from 3rd Avenue to Millbrae and U.S. 101/Peninsula Avenue interchange reconstruction	\$81.7	\$81.7		
21349	U.S. 101/Ralston Avenue interchange improvement	\$14.4	\$14.4		
21602	U.S. 101/Broadway interchange reconstruction	\$56.0	\$56.0		
21603	U.S. 101/Woodside Road interchange improvements	\$50.0	\$50.0		
21606	U.S. 101/Willow Road interchange reconstruction	\$49.5	\$49.5		
21607	U.S. 101/University Avenue interchange reconstruction	\$4.9	\$4.9		

(Continues on next page)

projects by county

San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency (continued from previous page)					
21608	U.S. 101 northbound and southbound auxiliary lanes from Marsh Road to Santa Clara County line	\$91.2	\$91.2		
21615	I-280/Route 1 interchange safety improvements	\$54.0	\$54.0		1988 and 2004 Measure A sales tax project
21623	Caltrain local station improvements in San Mateo County	\$67.0	\$67.0		1988 Measure A sales tax project
21624	Transit-Oriented Development Incentives Program	\$30.0	\$30.0		
21626	Caltrain grade separation program (San Mateo County)	\$297.0	\$297.0		1988 and 2004 Measure A sales tax project
22223	U.S. 101/Peninsula Avenue southbound ramps	\$32.0	\$32.0		2004 Measure A sales tax project
22230	I-280 auxiliary lanes from I-380 to Hickey Boulevard	\$100.0	\$100.0		2004 Measure A sales tax project
22262	U.S. 101 and Route 92 ramp metering, Traffic Operations System (TOS) and fiber communications project	\$9.6	\$2.0	\$7.6	
22264	I-280 North and I-380 ramp metering, Traffic Operations System (TOS), fiber communications project	\$9.4	\$2.0	\$7.4	
22265	I-280 South and Route 92 ramp metering, Traffic Operations System (TOS) and fiber communications project	\$6.1	\$2.0	\$4.1	
22274	Intelligent Transportation System (ITS) improvements in San Mateo County	\$20.0	\$20.0		2004 Measure A sales tax project
22424	BART Advanced Automatic Train Control (AATC) Phase V — Daly City to Millbrae/SFO	\$53.0	\$53.0		
22756	U.S. 101/Candlestick interchange reconstruction	\$47.7	\$47.7		
21604	U.S. 101 auxiliary lanes from Sierra Point to San Francisco County line	\$6.0		\$6.0	
21610	U.S. 101 auxiliary lanes from San Bruno Avenue to Grand Avenue	\$26.3		\$26.3	
21893	Route 92 between Half Moon Bay city limits and Pilarcitos Creek alignment and shoulder improvements	\$30.0		\$30.0	
22224	Caltrain and California High-Speed Rail grade separations and station in Atherton	\$66.1		\$66.1	
22229	U.S. 101/Sierra Point Parkway interchange replacement	\$14.0		\$14.0	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
22231	Widen north side of John Daly Boulevard/I-280 overcrossing for additional westbound traffic lane and dedicated right-turn lane for southbound I-280 off-ramp	\$9.0		\$9.0	
22232	Construct streetscape improvements on Mission Street from San Pedro Road to John Daly Boulevard	\$12.4		\$12.4	
22751	Route 1 operational and safety improvements in Half Moon Bay area	\$30.0	\$30.0		2004 Measure A sales tax project
Strategic Expansion					
94643	Widen Route 92 between Route 1 and Half Moon Bay city limits	\$13.9	\$13.9		
98204	Construct Route 1 northbound and southbound lanes from Fassler Avenue to Westport Drive in Pacifica	\$15.5	\$15.5		
21605	U.S. 101/Oyster Point Boulevard interchange improvements (Phases 2 and 3)	\$40.0	\$40.0		
22125	Ferry service from South San Francisco to San Francisco	\$30.0	\$30.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22236	Study of Hillsdale Transit Center relocation	\$3.0	\$3.0		
22239	Manor Drive/Route 1 overcrossing widening and improvement project	\$12.0	\$12.0		2004 Measure A sales tax project
22268	Countywide shuttle service programs	\$68.0	\$38.0	\$30.0	2004 Measure A sales tax project
22282	U.S. 101 operational improvements near Route 92	\$10.0	\$10.0		2004 Measure A sales tax project
21609	I-280/I-380 local access improvements from Sneath Lane and San Bruno Avenue to I-380	\$13.5		\$13.5	
21892	Widen Route 84 from 4 lanes to 6 lanes from El Camino Real to Broadway	\$11.0		\$11.0	
22120	Ferry service from Redwood City to San Francisco to Alameda (capital reserve only; full project not included in Financially Constrained Element)	\$23.0	\$23.0		Resolution 3434 Regional Transit Expansion Program; no operating funds identified
22227	Extend Geneva Avenue from Bayshore Boulevard to U.S. 101/Harney ramps from 4 lanes to 6 lanes (includes grade separation with Caltrain tracks and Tunnel Avenue)	\$64.8		\$64.8	Expect 50% of the project to be funded through developer fees
22228	Extend Lagoon Way to connect to U.S. 101, Bayshore Boulevard and Guadalupe Canyon Parkway	\$16.5		\$16.5	Expect 25% of the project to be funded through developer fees
22267	Union Pacific Railroad right-of-way acquisition for transit, bicycle and pedestrian use	\$8.0		\$8.0	
22271	Widen Skyline Boulevard (Route 35) to 4-lane roadway from I-280 to Sneath Lane	\$40.0		\$40.0	

(Continues on next page)

projects by county

San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
22279	U.S. 101/Produce Avenue interchange project	\$77.3		\$77.3	
22615	Dumbarton rail corridor and station improvements	\$30.0	\$30.0		2004 Measure A sales tax project
21612	Improve Dumbarton Bridge access to U.S. 101	\$70.0	\$70.0		2004 Measure A sales tax project
21613	Route 92 improvements from San Mateo-Hayward Bridge to I-280, includes uphill passing lane from U.S. 101 to I-280	\$100.0	\$100.0		2004 Measure A sales tax project
22726	South San Francisco to Alameda ferry service	\$5.0	\$5.0		Resolution 3434 Regional Transit Expansion Program
22226	Caltrain Bayshore intermodal station: cross platform transfers with Third Street LRT and improve bus connections	\$36.8	\$36.8		
22732	Hillsdale Transit Center relocation	\$34.0		\$34.0	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					

Adequate Maintenance

94609	Local streets and roads pavement and non-pavement maintenance	\$2,129.8	\$2,129.8		
94106	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$201.5	\$201.5		
22903	Non-Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement maintenance	\$1,316.9	\$100.0	\$1,216.9	
94610	Valley Transportation Authority (VTA) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$11,054.5	\$10,300.5	\$754.0	
94613	Caltrain (Santa Clara County portion) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$1,256.2	\$1,076.7	\$179.5	
22480	BART (Santa Clara County share) — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion)	\$2,540.1	\$2,355.7	\$184.4	
20002	Route 85 noise mitigation between I-280 and Route 87	\$7.0	\$7.0		
21750	VTA landscape restoration and graffiti removal program	\$0.5	\$0.5		
21754	VTA soundwall program	\$10.0	\$10.0		
21868	Local bridge maintenance	\$129.4	\$129.4		
22152	Reconstruct Mathilda Avenue bridge over Caltrain tracks and Evelyn Avenue	\$17.4	\$17.4		
22807	Caltrain local station improvements	\$87.2	\$87.2		
22853	Alma Bridge replacement feasibility study	\$0.3	\$0.3		
22873	Replace Loyola Bridge bicycle/pedestrian crossing over Foothill Expressway	\$10.0	\$10.0		
22890	Adobe Creek bike/pedestrian bridge replacement	\$0.5	\$0.5		

System Efficiency

96002	Route 152 safety improvements from Uvas Creek to Route 156 near Gilroy	\$21.1	\$21.1		
98103	Construct auxiliary lane on northbound Route 17 from Camden Avenue to Hamilton Avenue (including improvements to northbound on-ramp from Camden Avenue)	\$12.0	\$12.0		

(Continues on next page)

projects by county

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency (continued from previous page)					
21558	Foothill Expressway traffic and signal operational improvements from Edith Avenue to El Monte Avenue, and at Grant Avenue/St. Joseph Avenue intersection	\$1.5	\$1.5		
21703	I-880/Coleman Avenue interchange improvements	\$70.0	\$70.0		
21705	Route 237/El Camino Real/Grant Road intersection improvements	\$3.0	\$3.0		
21713	Construct auxiliary lane on eastbound Route 237 from North First Street to Zanker Road	\$15.0	\$15.0		
21715	Route 152/Route 156 interchange improvements	\$27.3	\$27.3		
21718	Route 85 northbound and southbound auxiliary lanes between Homestead Avenue and Fremont Avenue	\$19.0	\$19.0		
21719	I-880/I-280/Stevens Creek Boulevard interchange improvements (Phase I)	\$14.0	\$14.0		
21724	Widen U.S. 101 for northbound and southbound auxiliary lane from Trimble Road to Montague Expressway	\$10.0	\$10.0		
21729	Mary Avenue bicycle and pedestrian overcrossing at I-280	\$7.0	\$7.0		
21730	Los Gatos Creek Trail from Lincoln Avenue to Auzerai	\$2.0	\$2.0		
21731	Los Gatos Creek Trail from San Fernando Street to San Carlos Street	\$3.0	\$3.0		
21733	Uvas Creek Class 1 Trail connection to Gilroy Sports Park (Phases 1 and 2 from Thomas Road Bridge to Gilroy Sports Park)	\$0.5	\$0.5		
21735	San Tomas Aquino Creek Trail (Route 237 to Santa Clara city limits)	\$19.7	\$19.7		Route 237 to Mission College Boulevard segment is complete
21737	Borregas Avenue bicycle and pedestrian overcrossings at U.S. 101 and Route 237	\$7.4	\$7.4		
21738	West Little Llagas Creek bicycle and pedestrian pathway from Spring Road to Watsonville Road	\$2.0	\$2.0		
21739	Union Pacific bicycle and pedestrian overcrossing from Gibraltar Court to Montague Expressway	\$3.0	\$3.0		
21741	Bicycle and pedestrian improvements on Hamilton Avenue from Salmar to Creekside (Route 17)	\$2.0	\$2.0		
21742	River Oaks Parkway bike and pedestrian bridge at Guadalupe River	\$3.0	\$3.0		
21743	Bicycle improvements on Almaden Expressway between Ironwood Drive and Foxworthy	\$2.0	\$2.0		
21744	Bike and pedestrian overcrossing at Caltrain railroad tracks near Brokaw Road	\$5.0	\$5.0		
21745	De Anza Trail (Reach 3)	\$3.0	\$3.0		

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
21746	Cox Avenue/Southern Pacific railroad intersection improvements; includes improvements to grade crossings and bicycle paths	\$1.0	\$1.0		
21768	Caltrain local station improvements	\$110.0	\$110.0		
21785	U.S. 101/Blossom Hill Road interchange improvements	\$7.0	\$7.0		
21786	U.S. 101/Hellyer Avenue interchange modifications	\$11.0	\$11.0		100% locally funded
21831	Montague Expressway level-of-service improvements from U.S. 101 to North First Street	\$9.0	\$9.0		1996 Measure B sales tax project (partial funding)
21832	Central Expressway level-of-service improvements from Bowers Avenue to De la Cruz Boulevard	\$5.0	\$5.0		1996 Measure B sales tax project (partial funding)
21833	Almaden Expressway level-of-service improvements from Blossom Hill Road to Branham Lane	\$4.0	\$4.0		1996 Measure B sales tax project (partial funding)
21836	San Tomas Expressway at Hamilton Avenue level-of-service improvements	\$1.1	\$1.1		
21837	Capitol Expressway level-of-service improvements at McLaughlin Avenue	\$0.5	\$0.5		
21838	Foothill Expressway level-of-service improvements at various locations	\$2.0	\$2.0		
22010	Construct I-280 northbound second exit lane to Foothill Expressway	\$1.0	\$1.0		
22012	Route 237 eastbound auxiliary lane improvement from North First Street to Zanker Road	\$6.0	\$6.0		
22022	Palo Alto Smart Residential Arterials	\$6.2	\$6.2		
22121	Loyola Drive/Foothill Expressway intersection improvements	\$10.0	\$10.0		
22168	Convert one-way streets to two-way streets at various intersections in San Jose	\$20.0	\$20.0		
22246	Blossom Hill Road pedestrian overcrossing and improvements	\$6.8	\$6.8		
22649	Widen Campbell Avenue Bridge over Los Gatos Creek to accommodate pedestrian and bicycle facilities	\$1.5	\$1.5		
22801	Bernardo Avenue pedestrian/bicycle undercrossing at Caltrain tracks	\$5.0	\$5.0		
22802	Extend Hetch Hetchy pathway from Los Altos Avenue to El Camino Real	\$0.4	\$0.4		
22803	Bicycle racks program	\$0.2	\$0.2		
22804	Feasibility study of Stevens Creek Trail connection between Mountain View and Cupertino	\$0.1	\$0.1		
22806	Capitol Avenue/Great Mall Parkway grade separation over Montague Expressway	\$40.0	\$40.0		

(Continues on next page)

projects by county

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency (continued from previous page)					
22809	DeWitt Avenue/Sunnyside Avenue intersection realignment	\$5.0	\$5.0		
22810	San Martin Avenue/Monterey Road railroad crossing improvements	\$1.5	\$1.5		
22811	Church Avenue/Monterey Highway railroad crossing improvements	\$0.6	\$0.6		
22812	Capitol Expressway channelization improvements	\$2.0	\$2.0		
22813	Wedgewood Avenue traffic and pedestrian safety improvements	\$0.6	\$0.6		
22814	Extend Foothill Expressway westbound deceleration lane at San Antonio Road	\$0.5	\$0.5		
22815	Miramonte Avenue bikeway improvements	\$0.8	\$0.8		
22816	Oregon-Page Mill Expressway corridor operational improvements	\$5.0	\$5.0		
22817	Widen Campbell Avenue to accommodate pedestrian and bicycle facilities	\$2.0	\$2.0		
22818	Expressway and city street signals coordination	\$10.0	\$10.0		
22819	Santa Teresa Boulevard/Fitzgerald Avenue intersection improvements	\$0.7	\$0.7		
22820	Expressway traffic signal system upgrade to allow traffic count collection	\$0.5	\$0.5		
22821	Transportation for Livable Communities (TLC) and Pedestrian Program	\$37.4	\$37.4		
22822	Expressway traffic information outlets	\$5.0	\$5.0		
22826	Rengstorff Avenue grade separation at Central Expressway and Caltrain tracks	\$0.3	\$0.3		
22827	Magdalena Avenue/Country Club Drive intersection improvements	\$0.4	\$0.4		
22828	Dixon Landing Road/North Milpitas Boulevard intersection improvements	\$1.0	\$1.0		
22829	Fitzgerald Road/Masten Avenue intersection improvements	\$0.8	\$0.8		
22831	Install traffic signal interconnect systems in Sunnyvale, Palo Alto, Mountain View and Los Altos	\$2.5	\$2.5		
22833	Route 85/Almaden Expressway interim operational improvements	\$2.0	\$2.0		
22834	Widen Route 237 for eastbound auxiliary lane from Mathilda Avenue to Fair Oaks Avenue	\$5.0	\$5.0		
22835	Construct Sunnyvale Caltrain Station overpass/underpass for pedestrians and bicyclists	\$1.8	\$1.8		
22837	Saratoga Avenue and Saratoga-Sunnyvale Road corridor signalization improvements	\$0.5	\$0.5		

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
22839	Convert HOV lane to mixed-flow lane on Central Expressway between San Tomas Expressway and De La Cruz (including removing HOV queue jump lanes at Bowers)	\$0.1	\$0.1		
22840	Study to reconfigure Route 85/Almaden Expressway interchange (Caltrans Project Study Report/Project Development Study)	\$0.3	\$0.3		
22841	Los Gatos Creek Trail from San Carlos Street to Guadalupe River	\$5.9	\$5.9		
22842	Route 152/Ferguson Road intersection improvements	\$1.0	\$1.0		
22844	Construct right-turn lane from westbound Monroe Street to San Tomas Expressway	\$1.0	\$1.0		
22845	Construct U.S. 101 southbound auxiliary lane from Ellis Street to east-bound Route 237	\$3.0	\$3.0		
22846	Stevens Creek Trail Reach 4 Central from North Meadow to Dale Avenue neighborhood	\$4.0	\$4.0		
22847	Route 9 bike lanes from Saratoga through Monte Sereno to Los Gatos	\$1.7	\$1.7		
22848	Develop high-occupancy/toll (HOT) lane demonstration project on one freeway corridor in Santa Clara County	\$2.0	\$2.0		
22850	Widen Almaden Plaza Way for a fifth lane at the approach of the Route 85/Almaden Plaza Shopping Center/Alameda Expressway intersection	\$0.8	\$0.8		
22852	Coyote Creek Trail from Hellyer County Park to Anderson Lake County Park	\$1.3	\$1.3		
22854	I-280/Oregon-Page Mill interchange modification	\$5.0	\$5.0		
22855	Coyote Creek Trail connection	\$0.5	\$0.5		
22856	Lawrence Expressway-Saratoga Avenue corridor signal optimization	\$0.1	\$0.1		
22859	Berryessa Creek Trail (Reach 3) between Abel Street and Gill Park	\$0.6	\$0.6		
22860	Replace California Avenue undercrossing of Caltrain tracks and Alama Street	\$5.0	\$5.0		
22861	Bicycle boulevards and bike lanes network	\$5.0	\$5.0		
22862	Alum Rock School District area traffic-calming elements	\$2.2	\$2.2		
22863	Borregas Avenue bike lanes	\$0.2	\$0.2		
22864	Bollinger Road bike lanes from Anza Boulevard and Lawrence Expressway/Miller Boulevard	\$0.4	\$0.4		
22865	Coyote Creek trail from Route 237/Bay Trail to Story/Keyes	\$6.1	\$6.1		
22866	I-280/Lawrence Expressway signal phasing and timing coordination	\$0.1	\$0.1		

(Continues on next page)

projects by county

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency (continued from previous page)					
22867	Rancho Rinconada neighborhood traffic management plan	\$0.6	\$0.6		
22868	Park Avenue bicycle and pedestrian enhancements	\$1.0	\$1.0		
22869	Guadalupe River Trail from Alviso to I-880	\$5.1	\$5.1		
22870	Study of Uvas Creek trail extension from Gilroy Sports Park to Gavilan College	\$0.2	\$0.2		
22872	Widen Montague Expressway for HOV lanes between I-880 and I-680 (6 mixed-flow, 2 HOV lanes)	\$0.1	\$0.1		
22875	Widen Campbell Avenue Bridge over Los Gatos Creek for pedestrians and bicyclists	\$1.5	\$1.5		
22876	Convert HOV lanes to mixed-flow lanes on Lawrence Expressway from U.S. 101 to Elko	\$0.1	\$0.1		
22877	Design and construct bicycle/pedestrian trail along Sunnyvale east drainage trail from JWC Greenway to Tasman Drive	\$0.5	\$0.5		
22878	Realign Wildwood Avenue to connect with Lawrence Expressway (includes new traffic signal at Lawrence Expressway/Wildwood Avenue intersection)	\$4.3	\$4.3		
22879	U.S. 101 bike/pedestrian overcrossing at Branham Lane	\$5.0	\$5.0		
22880	Winchester Boulevard streetscape improvements	\$4.0	\$4.0		
22881	Construct auxiliary lanes on Lawrence Expressway at the Route 237 interchange	\$3.0	\$3.0		
22882	Bascom Avenue Intelligent Transportation System (ITS) enhancements	\$0.2	\$0.2		
22883	Modify medians on Lawrence Expressway from De Sota Avenue and St. Lawrence Drive/Lawrence Station Road for limited access	\$0.5	\$0.5		
22884	Construct bike lanes on Evelyn Avenue from Sunnyvale Avenue to Reed Avenue	\$0.4	\$0.4		
22885	Extend Los Gatos Creek Trail on west side from Hamilton Avenue to Campbell Avenue	\$2.0	\$2.0		
22886	Widen McKean Road shoulders to accommodate bicycle improvements	\$5.0	\$5.0		
22887	Widen south side of Moody Road from Elena Road westbound by 1,500 feet to accommodate bicycle and pedestrian improvements	\$0.2	\$0.2		
22889	Stevens Creek Trail (Reach 4) south from Dale Avenue neighborhood to Mountain View High School	\$5.0	\$5.0		
22891	Almaden Expressway pedestrian/bike overcrossing	\$5.7	\$5.7		

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
22892	Widen U.S. 101 southbound auxiliary lane from Great America Parkway to Lawrence Expressway	\$2.0	\$2.0		
22893	Widen U.S. 101 for a northbound auxiliary lane from McKee/Julian Street to I-880	\$9.0	\$9.0		
22895	San Tomas Expressway/Route 17 interchange operational improvements	\$2.0	\$2.0		
22896	Coyote Creek Trail (Reach 1) from North McCarthy Boulevard to South Ranch Drive	\$1.2	\$1.2		
22987	Java Drive bikeway between Mathilda Avenue and Crossman Avenue	\$0.4	\$0.4		
22808	Caltrain grade separation program in Santa Clara County	\$10.0		\$10.0	
22910	Intelligent Transportation Systems (ITS) improvements on Santa Teresa Boulevard between Day Road and Mesa Road	\$1.0		\$1.0	
22992	Pedestrian and bicycle improvements	\$10.8		\$10.8	
22993	Local streets and roads improvements (including bicycle and pedestrian amenities, streetscape and signalization)	\$62.6		\$62.6	
22994	I-280 corridor improvements	\$56.0		\$56.0	
22995	Route 85 corridor improvements	\$177.0		\$177.0	
22996	U.S. 101 Central Freeway corridor improvements (I-680/I-280 to Yerba Buena)	\$42.0		\$42.0	

Strategic Expansion

94117	Transit centers and park-and-ride lots	\$14.0	\$14.0		
98119	Vasona Corridor light-rail extension from downtown San Jose to Winchester Boulevard in Campbell	\$320.4	\$320.4		1996 Measure B sales tax project
98121	Increase Caltrain service from San Jose to Gilroy, includes Caltrain corridor facilities and service improvements	\$136.7	\$136.7		1996 Measure B sales tax and 2000 Traffic Congestion Relief Program (TCRP) project
98140	I-680 Sunol Grade southbound HOV lanes, ramp metering and auxiliary lane from Route 84 to Route 237 (possible value pricing project)	\$22.0	\$22.0		
98175	Widen Montague Expressway from 6 lanes to 8 lanes (6 mixed-flow and 2 HOV lanes) from I-680 to U.S. 101	\$26.4	\$26.4		Allows all-day HOV use
20001	U.S. 101/Bailey Avenue interchange improvements	\$45.0	\$45.0		
21714	Widen U.S. 101 between Monterey Highway and Route 25 (includes an extension to Santa Teresa Boulevard) and construct a full interchange at U.S. 101/Route 25/Santa Teresa Boulevard	\$85.0	\$85.0		

(Continues on next page)

projects by county

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
21716	Widen Route 237 from 4 lanes to 6 lanes for HOV lanes between Route 85 and east of Mathilda Avenue	\$36.0	\$36.0		
21717	Widen Route 25 from U.S. 101 to Route 156 from 2 lanes to 6 lanes (includes new interchange at Route 156)	\$10.0	\$10.0		
21720	U.S. 101/Tennant Avenue interchange improvements	\$10.0	\$10.0		
21722	U.S. 101 southbound Trimble Road/De La Cruz Boulevard/Central Expressway interchange improvements	\$27.0	\$27.0		
21723	U.S. 101/Tully Road interchange modifications	\$22.0	\$22.0		
21727	Route 87/U.S. 101 ramp connection to Trimble Road interchange	\$28.0	\$28.0		Project is under construction
21749	Extend Butterfield Boulevard from Tennant Avenue to Watsonville Road	\$14.0	\$14.0		
21760	Double-track segments of the Caltrain line between San Jose and Gilroy	\$100.0	\$100.0		2000 Measure A sales tax and 2000 Traffic Congestion Relief Program (TCRP) project
21787	Palo Alto Intermodal Transit Center (Phase I)	\$50.0	\$50.0		
21794	Bus Rapid Transit corridor: El Camino Real (Line 22) (Phase 1 and 2)	\$7.0	\$7.0		To be determined by a Major Investment Study (MIS)
21797	Route 17 bus service improvements between downtown San Jose and downtown Santa Cruz	\$1.0	\$1.0		2000 Measure A sales tax project
21922	San Jose International Airport connections to Guadalupe Light-Rail Transit (LRT)	\$512.0	\$512.0		2000 Measure A sales tax project
21923	New Bus Rapid Transit corridor: along Stevens Creek Boulevard, El Camino Phase IIIB and Monterey Highway	\$46.0	\$46.0		2000 Measure A sales tax project
22015	I-680/I-880 cross connector (environmental and conceptual engineering)	\$7.0	\$7.0		Includes improvements in Alameda County
22018	U.S. 101/Mathilda Avenue interchange improvements	\$13.0	\$13.0		
22118	Extend Hill Road to Peet Avenue	\$5.0	\$5.0		
22134	Widen U.S. 101 southbound from Story Road to Yerba Buena Road	\$11.0	\$11.0		
22138	Widen U.S. 101 to 4 lanes from Route 25 to Santa Clara/San Benito County line	\$140.0	\$140.0		
22140	Widen U.S. 101 between Cochrane Road and Monterey Highway from 6 lanes to 8 lanes	\$164.0	\$164.0		
22142	U.S. 101/Capitol Expressway interchange improvements (includes new northbound on-ramp from Yerba Buena Road)	\$20.0	\$20.0		

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
22145	Widen westbound Route 237 on-ramp from Route 237 to northbound U.S. 101 to 2 lanes and add auxiliary lane on northbound U.S. 101 from Route 237 on-ramp to Ellis Street interchange	\$8.0	\$8.0		
22153	Extend Mary Avenue north across Route 237	\$50.0	\$50.0		
22156	Route 85 northbound to Route 237 eastbound connector ramp improvements	\$22.0	\$22.0		
22162	Route 237 westbound to Route 85 southbound connector ramp improvements	\$18.0	\$18.0		
22164	Route 237 westbound on-ramp at Middlefield Road	\$8.0	\$8.0		
22169	Widen Coleman Avenue from Hedding Street and a future Autumn Street extension from 4 lanes to 6 lanes	\$14.0	\$14.0		
22170	Construct I-880 overcrossing on Charcot Avenue between Paragon Drive and Old Oakland Road as a reliever route to Montague Expressway and Brokaw Road	\$36.0	\$36.0		
22171	Extend Autumn Street from Julian Street to Coleman Avenue to connect I-880 to west part of downtown San Jose	\$10.0	\$10.0		
22175	Widen Almaden Expressway between Coleman Road and Blossom Hill Road to 8 lanes	\$8.0	\$8.0		
22176	Widen Berryessa Road from I-680 to Commercial Street from 4 lanes to 6 lanes	\$7.0	\$7.0		
22177	Widen Branham Lane from Vista Park Drive to Snell Avenue from 4 lanes to 6 lanes	\$8.2	\$8.2		
22178	Replace 4-lane structure with 6-lane bridge on Calaveras Boulevard over Union Pacific Railroad from Abel Street to Milpitas Boulevard	\$40.0	\$40.0		
22179	Widen Central Expressway between Lawrence Expressway and San Tomas Expressway from 4 lanes to 6 lanes	\$10.0	\$10.0		
22180	Widen Central Expressway between Lawrence Expressway and Mary Avenue to provide auxiliary acceleration and/or deceleration lanes	\$13.0	\$13.0		
22181	Construct 4-lane bridge over Guadalupe River between Almaden Expressway and Fell Avenue to connection sections of Chynoweth Avenue	\$15.0	\$15.0		
22182	Gilman Road/Arroyo Circle traffic signal and intersection improvements	\$7.0	\$7.0		
22183	Widen Lucretia Avenue from 2 lanes to 4 lanes from Story Road to Phelan Avenue	\$9.0	\$9.0		
22185	Widen Oakland Road from 4 lanes to 6 lanes from U.S. 101 to Montague Expressway	\$10.0	\$10.0		

(Continues on next page)

projects by county

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
22186	Widen San Tomas Expressway to 8 lanes between Route 82 and Williams Road	\$28.0	\$28.0		
22422	Widen Senter Road to 6 lanes between Tully Road and Capitol Expressway	\$6.8	\$6.8		
22805	Widen Dixon Landing Road from 4 to 6 lanes between North Milpitas Boulevard and 1-880	\$0.5	\$0.5		
22823	Widen Snell Avenue from 4 lanes to 6 lanes from Branham Lane to Chynoweth Avenue	\$2.8	\$2.8		
22830	Widen First Street/Route 152 to add one eastbound lane from Church Street to Monterey Street	\$1.2	\$1.2		
22832	Widen Route 152 from 2 lanes to 4 lanes from Miller Slough to Holsclaw Road (includes widening existing structures over Llagas Creek and old Llagas Creek and new traffic signal at Gilroy Foods/WTI Trucking entrance)	\$10.0	\$10.0		
22836	Widen Quito Road between Saratoga Avenue and Bucknall Road for channelization and pedestrian and bicycle lane improvements	\$1.9	\$1.9		
22838	Study of Lawrence Expressway/Calvert/I-280 interchange improvements (Caltrans Project Study Report)	\$0.5	\$0.5		
22843	Widen Lawrence Expressway from 6 lanes to 8 lanes between Moorpark/Bollinger and south of Calvert	\$4.0	\$4.0		
22857	Widen U.S. 101 for a southbound auxiliary lane from I-880 to McKee Road/Julian Street	\$8.0	\$8.0		
22858	Widen Union Avenue from 2 lanes to 4 lanes from Los Gatos-Almaden Road to Ross Creek	\$1.7	\$1.7		
22871	Extend 2-lane Uvas Park Drive from Laurel Drive to Wren Avenue	\$2.2	\$2.2		
22874	Route 85/Fremont Avenue ramp improvements	\$2.0	\$2.0		
22888	Widen King Road to 4 lanes from Aborn Road and Barberry Lane	\$1.0	\$1.0		
22894	U.S. 101 Mabury Road/Taylor Street new interchange (environmental and preliminary engineering)	\$2.0	\$2.0		
22897	Widen I-680 northbound for an HOV lane from Route 84 to Calavaras Boulevard	\$25.0	\$25.0		
22902	Future rail corridors to be determined by Major Investment Studies (MIS)	\$188.0	\$188.0		
22979	U.S. 101/Zanker Road/Skyport Drive/Fourth Street interchange improvements (environmental and preliminary engineering)	\$7.0	\$7.0		
21702	U.S. 101/Buena Vista Avenue interchange construction	\$20.0		\$20.0	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Santa Clara County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
21770	Extend Caltrain from Gilroy to Salinas	\$71.0	\$23.5	\$47.5	2000 Traffic Congestion Relief Program (TCRP) project
22017	Construct Route 237 eastbound to Mathilda Avenue flyover offramp	\$17.0		\$17.0	
22014	Downtown/East Valley: Santa Clara/Alum Rock corridor and Capitol Expressway light-rail extension to Nieman Boulevard (environmental, preliminary engineering and right-of-way acquisition)	\$97.0	\$97.0		2000 Measure A sales tax project; Resolution 3434 Regional Transit Expansion Program
22019	Downtown/East Valley: Santa Clara/Alum Rock corridor and Capitol Expressway light-rail extension to Nieman Boulevard (construction reserve only; full project not included in Financially Constrained Element)	\$453.0	\$453.0		2000 Measure A Sales Tax Project; Resolution 3434 Regional Transit Expansion Program; see Santa Clara project #22909 below
22091	Limited access 4-lane facility and partial new alignment between I-5 and U.S. 101	\$432.0		\$432.0	Possible toll road
21921	BART extension into Santa Clara County (environmental, preliminary engineering and right-of-way acquisition)	\$848.0	\$848.0		2000 Measure A sales tax project; Resolution 3434 Regional Transit Expansion Program
22800	BART extension into Santa Clara County (construction reserve only; full project not included in Financially Constrained Element)	\$3,301.0	\$3,301.0		Resolution 3434 Regional Transit Expansion Program; operating funds not identified; see Santa Clara project #22909 below
22909	Operating costs for transit services including BART and Downtown/East Valley light-rail transit	\$2,700.0		\$2,700.0	
22997	U.S. 101 North freeway corridor improvements (north of I-680/I-280 interchange)	\$231.0		\$231.0	

projects by county

Solano County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					

Adequate Maintenance

94681	Local streets and roads pavement and non-pavement maintenance	\$367.8	\$367.8		
94138	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$43.6	\$43.6		
94139	Non-Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement maintenance shortfall	\$551.2	\$41.0	\$510.2	
94683	Vallejo Transit — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$572.9	\$562.5	\$10.4	
21869	Local bridge maintenance	\$29.3	\$29.3		
22711	Senior/disabled transit capital and operating funds	\$129.2		\$129.2	

System Efficiency

94153	Non-capacity-increasing safety projects to improve congested intersections, local arterials and highways	\$80.0	\$3.0	\$77.0	
98212	Local bicycle and pedestrian projects	\$56.0	\$22.0	\$34.0	
21823	Route 12 from Sacramento River to I-80 operational and safety improvements as identified in Route 12 Major Investment Study (MIS)	\$42.7	\$42.7		State Highway Operation and Protection Program (SHOPP) project
22623	Widen Nut Tree overcrossing from 2 lanes to 4 lanes (includes left-turn lane and ramp improvements)	\$10.0	\$10.0		
22625	I-80/North Texas Street interchange improvements (includes relocation of North Texas Street, new connection between Manuel Campos Parkway and existing bridge, new eastbound on- and off-ramps and new bridge)	\$14.0	\$14.0		100% locally funded
22630	Parkway Boulevard overcrossing of Union Pacific Railroad grade separation	\$9.5	\$9.5		100% locally funded
22631	Route 12 westbound (Red Top Road) truck lane	\$10.2	\$10.2		State Highway Operation and Protection Program (SHOPP) project

Strategic Expansion

94148	Construct rail stations and track improvements for Amtrak Capitol Corridor service from Sacramento to Oakland	\$40.0	\$20.0	\$20.0	Includes funding from Regional Measure 2 Toll Bridge Program and State Transportation Improvement Program (STIP) funds for Benicia Siding Project
94150	I-80/I-680/Route 12 interchange improvements (Phase 1); includes 2-lane connectors between I-80 and I-680 and a fifth lane in each direction on I-80 between I-680 and Route 12.	\$18.6	\$18.6		This is the auxiliary lane project.

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Solano County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
21807	I-80/I-680/Route 12 interchange improvements (Phase 2); widen I-80 from Route 12 to Air Base Parkway for HOV lanes (includes a braided ramp from I-680 to Suisun Valley Road and improvements to Red Top Road)	\$139.5	\$139.5		Partially funded with Regional Measure 2 Toll Bridge Program funds
22701	I-80/I-680/Route 12 interchange improvements (Phase 3); including partial relocation/reconstruction of Cordelia truck weigh station, ramp improvements and auxiliary lanes (as identified in I-80/I-680/I-780 Corridor Study)	\$532.5	\$100.0	\$432.5	
94151	Construct 4-lane Jepson Parkway from Route 12 to Leisure Town Road	\$101.1	\$70.4	\$30.7	Segments 1, 3 and 5 are completed
94152	Widen Route 12 (Jamieson Canyon) from I-80 in Solano County to Route 29 in Napa County from 2 lanes to 4 lanes (Solano County portion of project)	\$51.0	\$51.0		See companion Napa County project #94074 on page 99
94675	Widen Route 37 from Napa River Bridge to Route 29 from 2-lane expressway to 4-lane freeway (not including Routes 29/37 interchange), planting and environmental mitigation	\$58.0	\$58.0		
98168	Intercity bus service and transit hubs in Solano County (capital costs)	\$78.0	\$25.0	\$53.0	
21341	Fairfield/Vacaville multimodal rail station for Capitol Corridor intercity rail service in Solano County (Phases 1, 2 and 3)	\$34.0	\$34.0		Includes Regional Measure 2 Toll Bridge Program funds
21348	Install a second span along existing Green Valley Bridge to facilitate 4 lanes of travel each way and an acceleration/deceleration lane in each direction	\$16.8	\$16.8		100% locally funded
21809	Match for improvements to local interchanges and arterials	\$418.0	\$2.0	\$416.0	
22626	Route 29/Route 37 interchange improvements (includes new 4-lane freeway on new alignment between Enterprise Street and Diablo Street)	\$62.0	\$62.0		100% locally funded
22628	Realign Wilson Avenue from Florida Street to Route 37 to accommodate pedestrians and bicyclists (Phase 2)	\$16.5	\$16.5		100% locally funded
22629	New Vallejo Ferry Terminal intermodal facility	\$56.0	\$46.9	\$9.1	Partially funded with Regional Measure 2 Toll Bridge Program funds
22632	American Canyon Road ramp improvements at I-80	\$8.2	\$8.2		100% locally funded
22633	Widen Azuar Drive/Cedar Avenue from 2 lanes to 4 lanes from P Street to Residential Parkway	\$9.0	\$9.0		
22634	Vacaville intermodal station (400-space parking garage and 200-space surface parking lot)	\$9.0	\$9.0		Partially funded with Regional Measure 2 Toll Bridge Program funds
22700	Construct parallel corridor north of I-80 from Red Top Road to Abernathy Road (the western section extends from the railroad crossing on Red Top Road to Business Center Drive)	\$68.0	\$68.0		Regional Measure 2 Toll Bridge Program and 2000 Traffic Congestion Relief Program (TCRP) project
22703	I-80/I-680/I-780 corridor mid- and long-term capacity and operation improvements except transit hubs and park-and-ride lots (as identified in I-80/I-680/I-780 Corridor Study)	\$1,058.1	\$94.4	\$963.7	

(Continues on next page)

projects by county

Solano County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
22794	Curtola Transit Center improvements (construct parking structure, improve off-street bus transfer facilities and improve bus ingress and egress)	\$12.0	\$12.0		Partially funded with Regional Measure 2 Toll Bridge Program funds
22795	Fairfield Transportation Center improvements (Phase 3 — add 600 parking spaces)	\$14.5	\$14.5		Partially funded with Regional Measure 2 Toll Bridge Program funds
22898	Widen I-80 from 6 lanes to 8 lanes from west of Meridian Road to west of Kidwell Road	\$60.0	\$60.0		
22985	Benicia Intermodal Transportation Station	\$30.0	\$4.3	\$25.7	Partially funded with Regional Measure 2 Toll Bridge Program funds
22986	Widen and improve Broadway from 2 lanes to 4 lanes between Route 37 and Mini Drive	\$4.9	\$4.9		100% locally funded
22708	Route 12 from I-80 to Sacramento Bridge as identified in Route 12 Major Investment Study (MIS)	\$3.3	\$3.3		
21824	Route 12 from I-80 to Sacramento Bridge long-term capacity and operational improvements (Phase 2) as identified in Route 12 Major Investment Study (MIS)	\$101.7		\$101.7	
22712	Expanded express bus capital and operating funds	\$71.8		\$71.8	
22716	Vallejo Baylink ferry service capital and operating funds (fifth high-speed boat)	\$50.0		\$50.0	
22988	Commuter Rail Service — Sacramento to Oakland (capital and operating funds) with new stations in Fairfield/Vacaville, Dixon and Benicia	\$113.0		\$113.0	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Sonoma County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					

Adequate Maintenance

94694	Local streets and roads pavement and non-pavement maintenance	\$643.0	\$643.0		
94155	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$213.8	\$213.8		
22411	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$908.5	\$908.5		
98572	Golden Gate Transit (Sonoma County share) — Transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include expansion)	\$401.3	\$371.8	\$29.5	
21870	Local bridge maintenance	\$83.0	\$83.0		
22652	Rehabilitate pavement on U.S. 101 from Steele Lane to Grant overhead in Healdsburg	\$14.5	\$14.5		State Highway Operation and Protection Program (SHOPP) project; Caltrans has submitted an amendment to extend limits to Route 12
22440	Local streets and roads: pothole repair and congestion relief	\$94.0		\$94.0	

System Efficiency

94691	Route 121 traffic signal system and channelization at 8th Street	\$0.4	\$0.4		
98213	Bicycle and pedestrian routes	\$34.7	\$15.7	\$19.0	
21070	Realign Route 116 (Stage Gulch Road) along Champlin Creek and widen remaining segments to accommodate pedestrians and bicyclists	\$38.0	\$38.0		
21346	Widen Route 116 onramp to southbound U.S. 101	\$9.7	\$9.7		2000 State Highway Operation and Protection Program (SHOPP) project
21998	Rehabilitate and widen Route 116 from Elphick Road to Redwood Drive (involves realignment, new shoulders and channelization improvements)	\$34.5	\$34.5		State Highway Operation and Protection Program (SHOPP) project
22190	Hwy 116/Hwy 121 intersection improvements and Arnold Drive improvements	\$14.0		\$14.0	
22194	Mark West Springs Road/Porter Creek Road safety improvements	\$4.8		\$4.8	
22199	U.S. 101 Traffic Operations System (TOS)	\$17.3		\$17.3	
22200	U.S. 101 ramp metering and fiber optic cable in Sonoma County	\$27.7		\$27.7	
22203	River Road channelization and signals from Fulton Road to the town of Guerneville	\$10.0		\$10.0	
22441	Local bus service (includes express bus, evening service and transit for seniors and disabled)	\$47.0		\$47.0	
94165	Widen U.S. 101 for HOV lanes (one in each direction) from Route 12 to Steele Lane in Santa Rosa	\$77.5	\$77.5		

projects by county

Sonoma County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
94689	U.S. 101/Arata Lane interchange improvements in Windsor (Phase 2)	\$3.3	\$3.3		TEA-21 federal earmark project; includes developer fees
98147	Widen U.S. 101 (adding an HOV lane in each direction from the Marin/Sonoma County line north to Old Redwood Highway in Petaluma, and convert some highway sections from expressway to freeway)	\$200.0	\$200.0		See Marin County project #98154 on page 98. Improvements to the Petaluma River Bridge in this project are distinct from Sonoma County project #21346 (on page 121).
98183	Widen U.S. 101 for HOV lane (one in each direction) between Steele Lane and Windsor River Road	\$100.0	\$100.0		
21902	Widen U.S. 101 for HOV lanes (one in each direction) from Old Redwood Highway to Rohnert Park Expressway	\$99.0	\$99.0		
22490	Convert bridges of Sonoma County from one-lane to two-lane bridges	\$16.9	\$16.9		Funded through Local Highway Bridge Replacement and Rehabilitation Program (HBRRP)
22655	Widen U.S. 101 for HOV lanes (one in each direction) from Rohnert Park Expressway to Santa Rosa Avenue (includes interchange improvements and ramp metering)	\$40.0	\$40.0		
22656	U.S. 101/East Washington Street interchange improvements	\$11.0	\$11.0		Project separated from larger Marin-Sonoma Narrows project in order to advance construction
21884	Petaluma crosstown connector/interchange	\$33.0		\$33.0	
21908	Ferry service from Port Sonoma	\$25.0		\$25.0	
22191	U.S. 101/Airport Boulevard interchange improvements and Airport Boulevard widening from 2 to 4 lanes (includes a center turn lane)	\$30.0	\$30.0		
22193	Construct Forestville bypass on Route 116	\$3.6	\$3.6		
22195	Old Redwood Highway/U.S. 101 interchange improvements	\$20.0	\$20.0		
22197	Penngrove local road improvements including Railroad Avenue interchange	\$38.0	\$38.0		
22204	Widen Fulton Road from 2 lanes to 4 lanes from Guerneville Road to U.S. 101 and construct Route 12/Fulton Road interchange	\$38.0	\$38.0		
22205	U.S. 101/Hearn Avenue interchange improvements, including widening overcrossing and ramps	\$18.0	\$18.0		
22207	Extend Farmers Lane as a 3-lane or 4-lane arterial from Bellevue Avenue to Route 12	\$20.0	\$20.0		

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Sonoma County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion					
22438	Bodega Highway improvements west of Sebastopol	\$2.0	\$2.0		
22443	Design, project development and financing costs for widening U.S. 101	\$25.0	\$25.0		
22639	U.S. 101/Mill Street interchange in Healdsburg	\$1.4		\$1.4	
22640	U.S. 101/Shiloh Road interchange in Windsor	\$9.4		\$9.4	
22641	U.S. 101/Baker interchange in Santa Rosa	TBD		TBD	
22642	U.S. 101/Dry Creek interchange in Healdsburg	\$1.5		\$1.5	
22643	U.S. 101/Mendocino Avenue/Hopper Avenue interchange	\$5.3		\$5.3	
22644	U.S. 101/Bellevue interchange	\$15.0		\$15.0	
22646	U.S. 101/River Road interchange	\$18.0		\$18.0	
22998	Construct U.S. 101/Todd Road interchange	TBD		TBD	

